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(71)Applicant : MITSUBISHI MATERIALS CORP

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(72)Inventor : MOMOTOMI TAKESHI
TAKEUCHI HIROYASU

(54) POROUS BONE FILLER

(57)Abstract:

PURPOSE: To provide a porous bone filler having great strength in a certain direction without deteriorating porosity and being excellent in pore communicability and processability by providing some directivity to pores of a porous body made from a calcium phosphate compound, and communicating the pores with one another in than direction.

CONSTITUTION: A calcium phosphate compound is made into a slurry, and calcium phosphate powders are mixed in the slurry, and a foaming agent such as hydrogen peroxide, urea, or ammonium nitrate is added to prepare a calcium phosphate slurry. The calcium phosphate slurry is packed in a container of a desired shape and dried by a method including the steps of first drying its upper and lower sides using an automatic oven or the like, then drying the whole part, and further heating the slurry, to obtain a calcium phosphate porous bone filler. In this case, the portions to be dried are changed to dry the bone filler in steps to form communicating pores having some directivity.

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